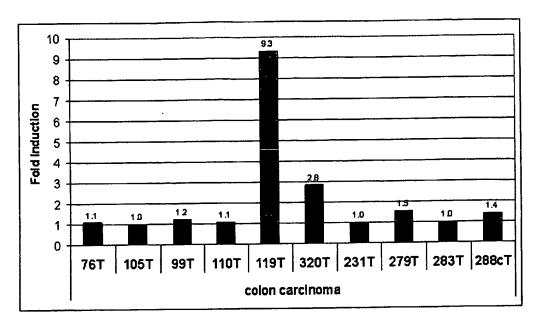
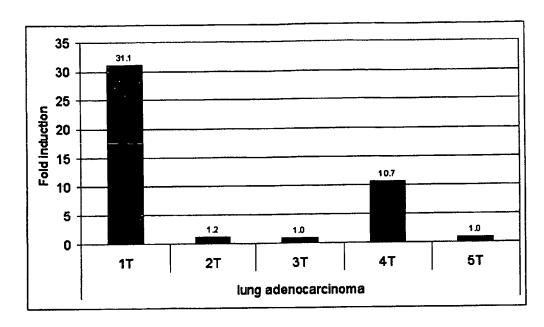
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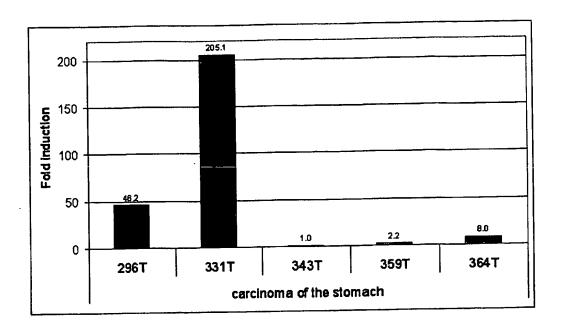
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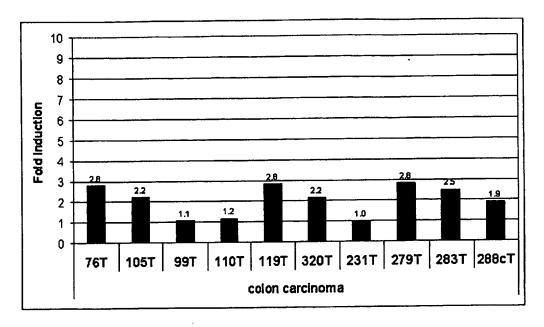
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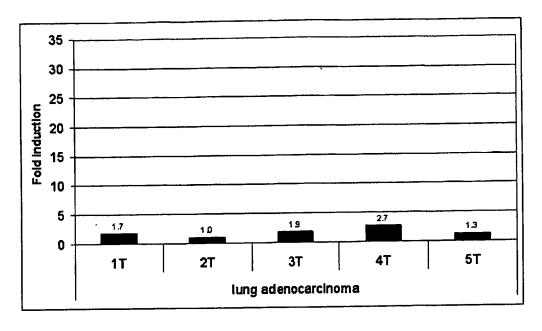
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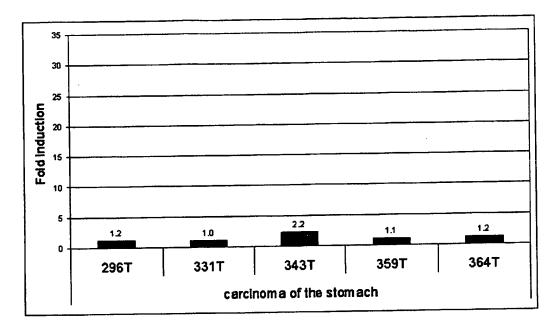
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Figure 5:



TKT

Figure 6



TKT

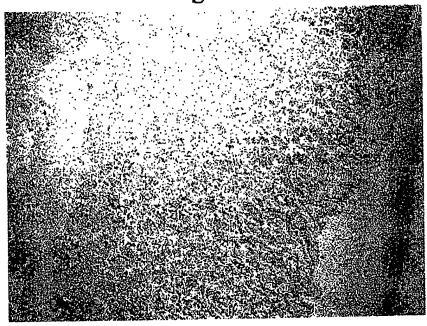
Fig. 7: DNA and amino acid sequence of TKT-L1

																			~~m	
1	GCCA.																			
61	GACT	TAA	GGC	GGA	TGC	TGA	GĞC	GAG	GGC,	TGA	GTT	ccc	GGA	GGA	GGC	CAG	ACC	TGA	CAG	GG
																R				
121	GCAC	CTT	GCA	GGT	GŢŦ	GCA	AGA'	TAT	GGC	CAG	CCG	CTT	GCG.	TAA T	CCA	TTC S	CAT	CAG	GGC	CA T
181	CATG			GAG	CTC	CGG	CCA	CCC	TAC	ATC	ATG	TAG	CAG	TTC	TTC	TGA E	GAT T	CAT M	GTC S	TG V
	_	_	T																	•
241	TGCT		CTT	CTA	CAT	CAT	GAG	GTA V	CAA	GCA	GTC	AGA	TCC	AGA E	GAA N	TCC P	GGA D	CAA N	.CGA D	CC R
	_	F																		
301	GATT	TGI	CCI	CGC	'AAA	GAG.	ACT	GTC	GTT F	TGT V	GGA O	TGT V	GGC A	AAC T	'AGG G	ATG W	GCT L	CGG G	ACA Q	AG G
361	GACT	GGG	AGI	TGC	ATG	TGG	AAT M	GGC	ATA V	TAC	TGG:	CAA K	GTA V	CTI.	CGA D	R	GGC	CAG	Y	R
421	GGGT	GTI	CTG	CCT	CAT	GAG	TGA	TGG	CGA	GTC	CTC	AGA E	AGG G	CTC	TGT! V	CTG W	GGA E	GGC A	M M	GG A
481	CCTT		TTC S		CTA	CAG	TCT	'GGA	CAA N	TCT t.	TGT V	'GGC	TAA! T	CTT F	TGA D	TGT V	Gaa N	CCG R	L	G
	_																			
541	GACA H	_	TGG	TGC	TTA: .t.	GCC	CGC	CGA	.GCA H	CTG C	CAT I	'AAA' N	CAT I	CTA Y	ATCA Q	R R	GCG R	CTG	CGA E	AG A
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															-				COT	ידיגי
601	CCTT				CAC	TTA Y	TGI V	GGI V	'GGA	.CGG	CCG R	GGA D	CGI V	'GGA	A A	ACT L	GTG C	CCA Q	.GGT V	AT F
	F	G	M	N	T	¥	V	V	D	G	R	D	V	E	A	L	С	Q	٧	r
601 661		G GCI	W AGGC	N N	T TCA	Y .cct	V Kady	V .GCA	D CAA	G GCC	R CAC	D TGC:	V TGT:	e GGI	A CGG	L	C .GAC	Q CTI	V CAA	.GG
661	F TCTG W	G GC# Q	W AGGO A	n TTC S	T CTCA Q	Y .GGT V	V GAA K	V .GCA H	D .CAA K	G GCC P	R CAC T	D TGC A	V TGI V	E :GG1 V	A rggc A	L CAA K	C .GAC T	Q CTI F	V CAA K	.GG G
	TCTG W GCCG	G GCI Q SGG(W AGGC A CAG	N TTC S	T CTCA Q	Y .GGT V .Tat	V GAA K TGA	V .GCA H .GGA	D .CAA K .TGC	G GCC P	R CAC T	D TGC A	V TGT V	E 'GG1 V	A rggc A CAAA	L CAA K	C GAC T	Q CTI F	V CAA K :GAG	GG G G
661 721	TCTG W GCCG R	G SGCI SGCI SGCI SGCI SGCI SGCI SGCI SGC	W AGGC A ECAC T	N S S CCCC	T CTCA Q CAAG	Y GGT V TAT	V GAA K TGA	V .GCA H .GGA D	D .CAA K .TGC A	G GCC P AGA	R CAC T LAAG B	D TGC A TTG	V TGT V KGCA H	E 'GGT V LTGC A	A TGGC A CAAA K	E CAA K AGCC	C GAC T 'AA1 M	Q F F CGC Q	CAA K :GAG R	F GG G AG
661	TCTG W GCCG	G G G G G G G G G G G	W AGGO A ECAC T	N STTC S CCCC P	T ETCA Q CAAG 8	Y GGT V TAT I	V GAA K TGA E	V GCA H LGGA D	D CAA K TGC A	G GCC P AGA E	R CAC T LAAG B	D TGC A TTG W	V TGT V KGCA H	E GGT V TGC A	A TGGC A EAAA K	E CAA K AGCC	C GAC T 'AA'I M	Q CTI F CGCO P	V CAA K :GAG R	F GG G AG E
661 721 781	TCTG W GCCG R AAAG	G G G G G A A	W AGGGG A SCAG T CAGJ	N STTC B CCCC P	T Q CAAG S CAI	Y V TAT I TAT I	V GAA K TGA E CAA K	V AGCA H AGGA D AATT L	D CAA K TGC A CAAT	G GCC P AGA E TGA	R CAC T LAAG B LGAG S	D TGC A TTG W CCA	V TGT V GCA H LGAI I	E GGT V TGC A TAC!	A TGGC A CAAA K AGAC T	L CAA K AGCC P CCAG B	GAC T AAT M CAC R	Q CTT F CGCC P CGAN	CAA K GAG R ATCI	GG G AG E TG
661 721	TCTG W GCCG R AAAG	G G G G G A A	W AGGGG A SCAG T CAGJ	N STTC B CCCC P	T Q CAAG S CAI	Y V TAT I TAT I	V GAA K TGA E CAA K	V AGCA H AGGA D AATT L	D CAA K TGC A CAAT	G GCC P AGA E TGA	R CAC T LAAG B LGAG S	D TGC A TTG W CCA	V TGT V GCA H LGAI I	E GGT V TGC A TAC!	A TGGC A CAAA K AGAC T	CAA K AGCC P CCAG	GAC T AAT M CAC R	Q CTT F CGCC P CGAN	CAA K GAG R ATCI	GG G AG E TG
661 721 781 841	F TCTG W GCCG R AAAG R	G G G G G A A C A C A C	W AGGGG AGGG CAGG CAGGG AGGG	N STTC B SCCC P ATGC A	T Q CAG	Y GGT V TAT I TGA E	V GAA TGA TGA K LGGA	V AGCA H AGGA D AATT L ACTO	CAA	GCC P AGA E TGA TGA	R CAC T LAAG B LGAG B LAGI	TGC A TTGC W CCA CCA TCAA	V TGT V KGCA H LGAT I	E V TGC A ACA CACA T	AGAGA	CAA K AGCC P CAA EATGT V	GAC TAAT M GCAG R	CTTIF	CAA K GAG R ATCI L CGAC	GG G AG E TG D CT S
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661 721 781 841 901 961	TCTG W GCCG R AAAG R ACCC P CTCC P TGGC A	G GGGGGGGGAACCAACCAACCAACCAACCAACCAACCAA	W AGGGGAA T CAGA D AGGGC D CTGA AGGCC B AGGCC	N STTO	T CTCA CAAG S CCAT I CCAT ACAG R S S S S S S S S S S S S	Y GGGT V TAT I TTGA E ACGC A TATI F	V GAA R TGA E CAA R GGA CGAA TGAA TGAA TGAA TGAA TGAA TGAA	V GCA H AGGA L ACTO S TGA ACAM ACAM ACAM ACAM ACAM ACAM ACAM AC	D CAM R LTGC A LTGC A LCAL R R LCAL R R LCAL R R R R R R R R R R R R R R R R R R R	G GCC P P P P P P P P P P P P P P P P P	R R CCAC T IAAG B AGAG B AGAG C T CGT ACCC P	D TGC A TTGC W GCCA TCAA TTGC TTGC TTGC E TTGC E TTGC TTGC TTGC	V TGT V GGCA H LGAT I LCAT R TGCT R AGCC	E GGGIV V TGGA A TACA Q TCAG K TGGA K TGA K TGGA K TGA K TG	A CAGACA T CATCAT I C	L CCAA K AGCC P CCAG S ATGT V CATG C C TTGA TTGA E E E E E E E E E E E E E E E E E E E	C GAC T AAT M GCAC R TAAC R GCGC G ACAC C C GGAC	CCTT F CCCC P CCC P CCCC P CCC	CCAA K CGAG R TCT L CGAC TCGGC A CGTA M	GG G G G G G G G G G G G G G G G G G G
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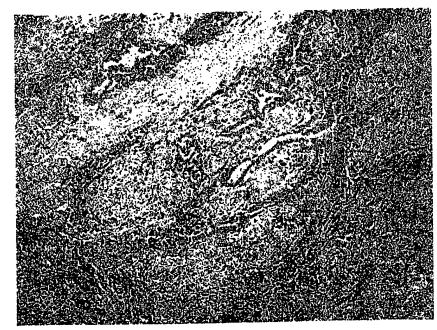
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				N															רארו	22
1261		S	Q	M	A	L	E	D	I	A	М	F	R	Т	Ι	P	K	C	T	T
1321	TCTT			AAC T			CGT V		CAC T	GG <i>P</i> E	AGCA H	TGC A	TGT V	TGC A	TCT L	GGC A	AGC A	CAA N	TGC(A	CA K
1381	AGGG G	GAT M		CTT F				CAC T	CCG R	ACC P	AGA E	AAA T	TAT M	GGI V	TAT I	TTA Y	CAC T	CCC	ACA Q	AG E
1441	AACG R		TGA E		CGG G		GGC A	CAA K	GGT V	L CC1	rcce R	SCC# H	CTG C	TGI V	CAG S	TGA D	CAA K	GGT V	'CAC	ag V
1501	TTAT		AGC A	_		TAC' T		GTA Y		AG(A	CTT L	'AGC A	AGC A	TGC A	TGA D	TGA E	GCT L	TTC S	GAA. K	AC Q
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1621	TCGT V	_	CAG	TGC		AGC	CAC		GGG		GAT		TAC	'AGI	`GGA	\GGA	TCA	CTA		GC
1681	AAGG	TGG	CAT	:CGG	GGA	AGC		CTG	CGC	:AG(CTC	CAT	:GGI	TCC	TGA	CAI	TCA		TC
1741	ATTO	G GC1			E GTC				:CCA	AGA	TG0	GAI	AGTO	:CGI	\GG.	ATI	GCI	'GGA	TAT	GT
	S			V		_	V												M	
1801	ATGG G		PATT S		CAG R	ACA H		'CAI	'AGI	GG(A	CCG1 V	rgaz K	AATC C	CAI M	GT1 L	rgci L	'GAP N	CTA *	LAAA	ΑТА
1861	GCTG	TT	AGCC	TTC	GTC	TTT	TGG	CCI	CTI	AT"	CCCI	rgto	3TTI	TAT	TTI	GTI	CCF	AAA	\CCA	TC
1921	ATTI	'AA'	ATCI	CTA	CTG	TCA	CAI	TT	'GT'I	TC:	TAI	AAA	3CA/	AG(CCAC	GCT <i>P</i>	ACA	ACCI	'TCA	TT
1981	CATO	CC.	r a gt	TCC	GAA	TTA	CAA	GC1	'AAC	CTA	CTT2	ACC	CTT	(AA)	ACTO	TC#	CTC	CAT	CATG	CA
2041	AGT	AC CO	3CT(TAF	TTI	TTG	GAI	CAT	TAI	AAG	GGA(3TT	ACA	AA:	TT	'ATT	GTO	AAF	AAA	TA
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2161	GGT	TA	CAA	rtci	TCC	GAA	GTG	TT	cc:	rtc	GTG	AAT	AAC1	rgg:	[AG]	AGG?	'AA'	'AGI	CTTI	TT
2221	CAAT	CT	ATT?	rcci	TCF	TGA	GTA	AAA	BAA	TAA	GTG	GAT"	TGA/	AGT	ATA(ETAE	CCI	AGT	\GCC	TA
2281	GTTT	rcc	ACA	3CA(GA1	'AAC	ACC	TAC	ACC	3CC	TAC:	rgc'	rgt"	rcc	CAC	CTT	3GGI	ATT(CTGI	GI
2341	GCT	3C C	ATC(CAC	CCT	CAG	CTO	3CC(CTG	JAA	TTC	CCT	TCG(CTG'	rtt(3CC1	TC	ATC:	rccc	TC
2401	CACC	3TT	TGA	GAG(CTC	TCA	\GG(CAG	CAG	CGA	AAG	CTT	GTT	AGG	ATG:	rcc:	TGT	CTC	3CTI	GI
2461	GATO	BAG	AGC	CTC	CACI	ACTG	TAC	CTG:	rTCI	AAG	TCA	ATG	TTA	ATA	AAG	CAT	TTC!	AAA	ACCA	AA
2521	AAA	AAA	AAA	AΑ																

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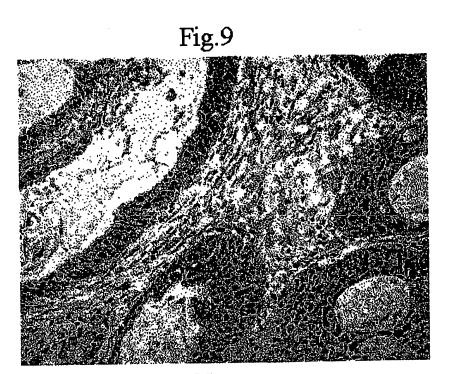


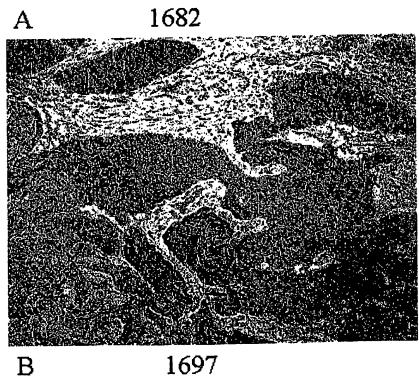
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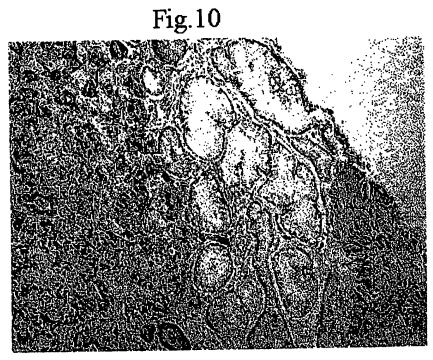
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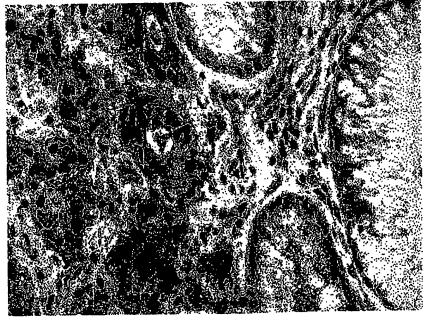




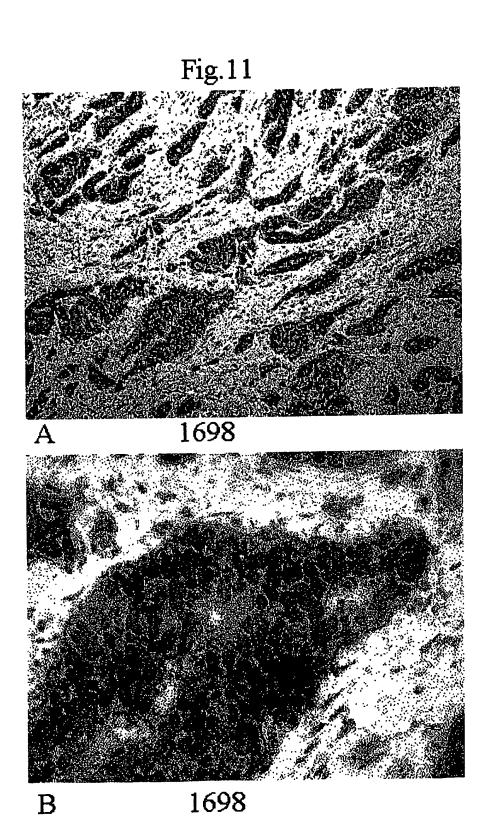








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